

## CLAIMS

1. An arrangement for the insertion into a vein of a cannula composed of a short tubular catheter (1) with a proximal base (2), where this arrangement includes a needle (3) which has a skin-puncture end (3a) and anti-prick cage (5) which extends the base in the proximal direction, where this chamber forms a chamber (7) through which the needle slides from a proximal entrance (7a) to a distal exit (7b) of the chamber, and is equipped with a trap to hold the puncture end of the needle in the chamber when the needle is withdrawn from the catheter base, with the cage and the base being equipped with retention resources that combine so as to perform temporary retention of the cage on the catheter base before the puncture end of the needle is trapped in the chamber of the cage, with the said retention resources including an external rim (12) formed on the base and an external dog (6a) provided on the cage to be held by this rim (12), characterised in that this dog is formed at one end (6a) of a retention device (6) mounted to tilt in the cage around a pivoting axis which is transverse to the sliding direction of the needle, the said device having one opposite end (6b) in lateral contact with the needle when the latter traverses the cage and the said device being designed to tilt around the said axis when it is no longer in contact with the needle, so that the dog lifts and releases itself from the rim of the base while the said opposite end of the device drops and positions itself in front of the puncture end of the needle, preventing this end from exiting from the chamber via the distal end (7b) of the chamber.

2. An arrangement according to claim 1, in which the retention device (6) is designed so that the weight of the part of the device located between the pivoting axis and the

retention end (6a) is less than the weight of the part of the device located between this axis and the said contact end (6b).

5           3. An arrangement according to claim 1 or 2, in which the said pivoting axis is composed of lateral nipples (6c) formed on the device, and which are accommodated in a cradle (9) created by cut-outs in two opposite walls (10, 11) formed on the cage on either side of the retention device.

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          4. An arrangement according to claim 3 in which the said cradle (9) accommodates the said nipples (6c) by a click-on action.

15           5. An arrangement according to any one of claims 1 to 4 in which the said retention device (6) has a flexible tongue (6d) which is held compressed elastically by a wall of the cage when the device is held by the needle, and which deploys under this wall when the lever has tilted as a result of  
20 withdrawing the needle, so that tilting of the device in the reverse direction is prevented by trapping this tongue under the said wall.

          6. An arrangement according to any one of claims 1 to  
25 5, and which includes resources (13, 15) to prevent the puncture end of the needle from leaving the cage via the proximal entrance (7a) of the chamber.